

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-001686

(43)Date of publication of application : 06.01.1999

(51)Int.Cl.

C09K 15/08
// A23L 3/3562
C07G 17/00
C09K 15/34

(21)Application number : 10-135931

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(22)Date of filing : 01.05.1998

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(30)Priority

Priority number : 02121077

Priority date : 14.05.1990

Priority country : JP

02217344

17.08.1990

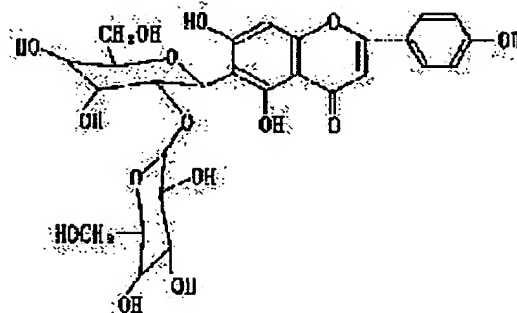
JP

(54) ANTIOXIDANT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an antioxidant which has an oxidation prevention activity equal or superior to that of α -tocopherol and is useful e.g. in the fields of food, medicines, etc., by using O-glycosylisovitexin.

SOLUTION: 2'-O-Glycosylisobitexin of the formula is used. This is a component derived from green plants, pref. green leaves of barley and the like, still pref. young green leaves of barley. This component is obtd. by squeezing green leaves of barley plants with a mechanical crushing means, extracting the resultant juice with water or n-hexane, separating and recovering a component soluble in water or substantially insoluble in n-hexane, and extracting the recovered component with



water-contg. ethanol having a water content of 0-80% to separate and recover a component soluble in water-contg. ethanol. If required, the resultant product is further treated with an adsorbent and subjected to elution treatment with watercontg. methanol having a water content of 0-80% to recover a component soluble in the water-contg. methanol, thus enabling a fraction excellent in oxidation prevention activity to be obtd.

LEGAL STATUS

[Date of request for examination] 01.05.1998
[Date of sending the examiner's decision of rejection] 17.10.2000
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection] 2000-18245
[Date of requesting appeal against examiner's decision of rejection] 16.11.2000
[Date of extinction of right]

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